

HDR-AS20/B

Compact POV action cam



Key Features

SteadyShot™ image stabilization reduces blur

SteadyShot® image stabilization with Active Mode compensates for greater degrees of camera shake to deliver stunningly smooth video from wide angle to full telephoto shooting

Built-in Wi-Fi® and NFC for remote control and viewing via smartphone¹

Turn compatible smart phones and tablets in to remote control viewing devices via Wi-Fi® with One Touch Near Field Communication (NFC).

6 video modes including 1080/60p HD and 4x slow motion

Six video shooting modes are available for flexible shooting scenarios. Record in Full HD 1920x1080/60p for beautiful smooth video. HQ mode delivers full-HD quality for the highest image resolution. Three standard HD modes are provided: STD mode, 2x SLOW and 4x SSLOW. 2x SLOW is useful for recording fast-moving extreme sports, while the 4x SSLOW mode can be used to slow the action down even further in order to analyze a golf or baseball swing, for example. There's also an SD mode that provides extended recording time at VGA resolution (640 x 480, 30p).

FULL HD: PS 1920 x 1080 60p HQ 1920 x 1080 30p

HD: STD(1280 x 720 30p) SLOW(1280 x 720 30p) SSLOW (1280 x 720 30p)

SD: VGA(640 x 480 30p)

Built-In stereo mic for quality sound recording

A built-in stereo microphone allows you to capture all the exciting sounds of your adventure.

Never miss the action with long lasting ~150min stamina battery

Sony Action Cam has as much stamina as you do. With its long lasting battery that will record in HD at up to 150 minutes (when fully charged) you'll never miss the action.

Ultra wide 170° pro quality ZEISS® Tessar lens

With an ultra-wide angle ZEISS® Tessar lens, you will increase your perspective (up to 170-degree viewing angle) while you venture out on breathtaking views of dynamic terrain to include ski slopes and mountain trails.

Exmor R® CMOS sensor for excellent low light performance

Experience stunning low-light sensitivity with improved image clarity and drastically reduced grain with Sony's back-illuminated Exmor R® CMOS sensor.

Ruggedized, waterproof housing² with universal tripod mount included

The Sony® HDR-AS20 ships with a ruggedized, waterproof housing (SPK-AS2) with universal tripod mount that is built to handle extreme environments, allowing you to concentrate on safety and composition while capturing Full HD videos. Within the housing, the camera is waterproof down to 15-feet and has a shock resistance rating for up to 5 foot drops plus dirt and dust resistant seals that help make it nearly impervious to mud, snow, rain, and grime.

Hand free control and remote viewing of up to 5 Action Cams⁴

Using optional Live View Remote accessory you can control up to 5 HDR-AS20 units via Wi-Fi^{1,4}. This multi-functional watch allows you to frame your shots and control the camera's recording settings and start/stop record.

Capture amazing high quality 11.9MP still images in photo mode

Put your HDR-AS20 in still image mode and capture amazing high quality 11.9MP still images with a single press of the button.

Specifications

Camera Type	POV Camcorder
Imaging Sensor	1/2.3" (7.77mm) back-illuminated Exmor® R CMOS Sensor
Processor	BIONZ® image processor
Pixel Gross	Approx.16.8 megapixels
Effective Picture Resolution	Approx.11.9 megapixels(16:9)
Color Filter System	RGB primary color filters
Media Type	Memory Stick Micro™ (Mark 2), Micro SD/SDHC/SDXC Memory Card (Class 4 or Higher)
Still Image Mode	JPEG
Still Image Max Effective Resolution	11.9 Megapixels
Video Format	MP4: MPEG-4 AVC/H.264
Video Resolution	1920 x1080 60p/50p (PS), 1920 x1080 30p/25p (HQ), 1280 x720 30p/25p (STD), 1280 x720 60p/- (SLOW), 1280 x720 120p/- (SSLOW), 640 x480 30p/25p (VGA)
Video Actual (Pixel)	Approx.11.9 Megapixels
Video Signal	HD:HDTV 1080/60p
Audio Format	MPEG-4 AAC-LC 2ch
Microphone/Speaker	Built-in Microphone, Monoral Speaker
Movie Recording Rate(Average Bit Rate/VBR)	PS: Approx.28Mbps/ HQ: Approx.16Mbps/ SSLOW: Approx.24Mbps/ SLOW: Approx.12Mbps/ STD: Approx.6Mbps/ VGA: Approx.3Mbps
Still Image File Format	DCF Ver.2.0 compatible, Exif Ver.2.3 compatible, MPF Baseline compatible
Still Image Size(Photo Mode)	11.9 megapixels 16:9
Lens Type	Carl Zeiss® Tessar® Lens
Aperture	F2.8
Focal Length (35mm equivalent)	Movie mode: f=15.3mm(170°), f=21.3mm(120°) Photo mode:f=15.3mm(170°) Interval Photo Recording Mode: f=15.3mm(170°),f=21.3mm(120°)
Minimum Focus Distance	Approx.11 7/8inch (Approx.30cm)
Angle of View	170° (without SteadyShot), 120° (with SteadyShot)
Focal Distance	f=2.5mm, f=1/8inch
Steady Shot Mode:Active	21.3mm
Metering Modes	Multi-segment
Exposure Settings	Auto
Scene Mode(s)	Auto / Underwater
Noise Reduction	Yes
White Balance Mode	Auto
Minimum Illumination	6 lux
Backlight Compensation	Yes (Auto)

Shutter Speeds	Auto Control Range: 1/30 - 1/10,000 (30fps)
Media/Battery Indicator	Yes (recordable time) / Yes (remaining capacity)
Multiple Language Display	English
Waterproof	Yes (In use with Waterproof Case (SPK-AS2))
Dustproof	Yes (In use with Waterproof Case (SPK-AS2))
Airplane Mode	Yes
Image Stabilization	SteadyShot image stabilization w/ Active mode
Shockproof	Yes (In use with Waterproof Case (SPK-AS2))
Wi-Fi	Control with Smartphone
Memory Card Slot	Memory Stick Micro™ and Micro SD/SDHC/SDXC compatible
Wi-Fi	Yes (IEEE 802.11b/g/n(2.4GHz band))
SD Output	Composite Video Out(AV CABLE VMC-15MR2(sold separately))
HD Output	HDMI Out(micro)(sold separately)
BRAVIA® Sync™	Yes
Microphone Input	Stereo Minijack
HDMI Terminal	Yes (HDMI micro)
Multi/Micro USB Terminal	Yes
Dimensions (Approx.)	31/32 x 1 7/8 x 3 1/4in (24.5 x 47.0 x 82.0mm) (W x H x D)
Weight (Approx.)	2 oz (58g)
Power Consumption (in Operation)	1.8W (in Display Panel operation)
Power Requirements	3.6V (battery pack)
Battery Type	NP-BX1
Supplied Accessories	Rechargeable Battery Pack Micro USB Cable Operating Guide Waterproof Case (SPK-AS2) Adhesive Mount (VCT-AM1)

1. Requires NFC-compatible mobile device. Check device's user manual for compatibility. Device cases may prevent connection.

2. While the "Live-View Remote" is water proofed, the Wi-Fi feature cannot be used when submerged in water. Available distance of the Wi-Fi depends on using environment and situation.

3. Waterproof down to 3meters (15 feet)

4. Use of Sony's optional Live Remote (LV-RM1) required for 5 camera operation

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